

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	416	cancer with cocaine	US-PGPUB; USPAT; EPO	OR	ON	2006/05/14 17:30
L2	10	cancer.ti,ab. with cocaine	US-PGPUB; USPAT; EPO	OR	ON	2006/05/14 17:30
L3	10	cancer.ti,ab. same cocaine	US-PGPUB; USPAT; EPO	OR	ON	2006/05/14 17:30
L4	293	cancer with cocaine with treat\$	US-PGPUB; USPAT; EPO	OR	ON	2006/05/14 17:31
L5	36	cancer with cocaine with treat\$ and (cancer tumor malignan\$).ti,ab.	US-PGPUB; USPAT; EPO	OR	ON	2006/05/14 17:32

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NEWS 3 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 4 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist  
visualization results  
NEWS 5 FEB 22 The IPC thesaurus added to additional patent databases on STN  
NEWS 6 FEB 22 Updates in EPFULL; IPC 8 enhancements added  
NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes  
NEWS 9 MAR 08 X.25 communication option no longer available after June 2006  
NEWS 10 MAR 22 EMBASE is now updated on a daily basis  
NEWS 11 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL  
NEWS 12 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC  
thesaurus added in PCTFULL  
NEWS 13 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 14 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced  
NEWS 15 APR 12 Improved structure highlighting in FQHIT and QHIT display  
in MARPAT  
NEWS 16 APR 12 Derwent World Patents Index to be reloaded and enhanced during  
second quarter; strategies may be affected  
NEWS 17 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records  
NEWS 18 MAY 11 KOREAPAT updates resume  
  
NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
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=> file caplsu

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Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

0.42

FILE 'CAPLUS' ENTERED AT 17:37:26 ON 14 MAY 2006

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FILE COVERS 1907 - 14 May 2006 VOL 144 ISS 21

FILE LAST UPDATED: 12 May 2006 (20060512/ED)

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=> s (cancer or tumor or malignan) (L) cocaine

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=> s (cancer or tumor or malignan?) (L) cocaine

278277 CANCER

370289 TUMOR

78473 MALIGNAN?

19908 COCAINE

L1

108 (CANCER OR TUMOR OR MALIGNAN?) (L) COCAINE

=>

=> d ti 1-108

- L1 ANSWER 1 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Palladium mediated ring opening of tetrahydrofuran (THF) by amines
- L1 ANSWER 2 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Combinations comprising PPAR agonists
- L1 ANSWER 3 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Kynurenic acid amide derivatives as NR2B receptor antagonists
- L1 ANSWER 4 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI 100 years of procaine: A reason to celebrate
- L1 ANSWER 5 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Preparation of medicines containing chalcone for treating hepatitis and gastric cancer
- L1 ANSWER 6 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI The neural crest and neural crest defects
- L1 ANSWER 7 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Cardiac toxicity of cocaine: from myocardial depression to cardiomyopathy
- L1 ANSWER 8 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Risk factors for Kaposi's sarcoma among HHV-8 seropositive homosexual men with AIDS
- L1 ANSWER 9 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Method for the treatment of asthma, brain tumors and asthma-associated with brain tumors
- L1 ANSWER 10 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Neuroleptic-induced movement disorders
- L1 ANSWER 11 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Preparation of novel 8-azabicyclo[3.2.1]octane derivatives for use in pharmaceutical compositions as monoamine neurotransmitter re-uptake inhibitors
- L1 ANSWER 12 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Treatment using dantrolene
- L1 ANSWER 13 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Genes associated with cocaine addiction and their use in diagnosis and analysis of prospective drugs
- L1 ANSWER 14 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Human monoclonal antibody production by Epstein-Barr virus-immortalized B cells for diagnosis and treatment of cancer, allergy, infection and autoimmune disease
- L1 ANSWER 15 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Preparation of 8-azabicyclo[3.2.1]octane derivatives for use in pharmaceutical compositions as monoamine neurotransmitter reuptake inhibitors
- L1 ANSWER 16 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Microarray profile analysis of toxic cocaine-induced alterations in the expression of mouse brain gene sequences: a possible "protective" effect of buprenorphine
- L1 ANSWER 17 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Molecular antigen arrays comprising AP205 virus-like particle and antigen for prevention and treatment of cancer, drug addiction, poisoning, infection, and allergy

L1 ANSWER 18 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine modulates cytokine and enhances tumor growth through sigma receptors

L1 ANSWER 19 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine enhances susceptibility to endotoxemic shock in a subset of rats

L1 ANSWER 20 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Electrophysiologic and Hemodynamic Effects of Sodium Bicarbonate in a Canine Model of Severe Cocaine Intoxication

L1 ANSWER 21 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Expressed gene markers for determining whether ovarian cancer is susceptible or resistance to therapeutic agents

L1 ANSWER 22 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Common gene polymorphisms and nutrition: emerging links with pathogenesis of multifactorial chronic diseases (review)

L1 ANSWER 23 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Endotoxin Potentiates Cocaine-Mediated Hepatotoxicity by Nitric Oxide and Reactive Oxygen Species

L1 ANSWER 24 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Characterization of multiple promoters in the human carboxylesterase 2 gene

L1 ANSWER 25 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Immunosuppression and oxidative stress induced by acute and chronic exposure to cocaine in rat

L1 ANSWER 26 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Packaging of immunostimulatory substances and antigens into virus-like particles for use as vaccines against cancer, autoimmune disease, allergy and viral infection

L1 ANSWER 27 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI IL-10 Mediates Sigmal Receptor-Dependent Suppression of Antitumor Immunity

L1 ANSWER 28 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Current concepts in resuscitation of patients with local anesthetic cardiac toxicity

L1 ANSWER 29 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Induction of cardiac cytochrome P450 in cocaine-treated mice

L1 ANSWER 30 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Exo-S-mecamylamine formulation for therapeutic uses

L1 ANSWER 31 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Exo-R-mecamylamine formulations for therapeutic uses

L1 ANSWER 32 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI In vitro response of v-Ha-ras transgenic mouse lymphocytes after in vivo treatment with cocaine

L1 ANSWER 33 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI In vitro response of v-Ha-ras transgenic mouse lymphocytes after in vivo treatment with alcohol

L1 ANSWER 34 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Immunoglobulin examination and information management system  
  
 L1 ANSWER 35 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine activates redox-regulated transcription factors and induces  
 TNF- $\alpha$  expression in human brain endothelial cells  
  
 L1 ANSWER 36 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI A database for regional gene expression in the human brain  
  
 L1 ANSWER 37 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Ondansetron: a selective 5-HT<sub>3</sub> receptor antagonist and its applications in  
 CNS-related disorders  
  
 L1 ANSWER 38 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Heat-shock proteins: New keys to the development of cytoprotective  
 therapies  
  
 L1 ANSWER 39 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Lidocaine and other topical anesthetics useful for treating cancer,  
 autoimmune diseases and ischemia  
  
 L1 ANSWER 40 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Differential patterns of cocaine-induced organ toxicity in murine heart  
 versus liver  
  
 L1 ANSWER 41 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine injection and Coxsackievirus B3 infection increase heart disease  
 during murine AIDS  
  
 L1 ANSWER 42 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI New directions in immunopharmacotherapy  
  
 L1 ANSWER 43 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI 2D QSAR Modeling and Preliminary Database Searching for Dopamine  
 Transporter Inhibitors Using Genetic Algorithm Variable Selection of  
 Molconn Z Descriptors  
  
 L1 ANSWER 44 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Comparison of nonradioactive microtiter plate enzyme immunoassays for the  
 sensitive detection of fentanyl  
  
 L1 ANSWER 45 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Behavioral and immune changes in v-Ha-ras transgenic mice  
  
 L1 ANSWER 46 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Exo-R-mecamylamine formulation and use in treatment  
  
 L1 ANSWER 47 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Exo-S-mecamylamine formulation and use in treatment  
  
 L1 ANSWER 48 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Chronic cocaine alters hemodynamics and leukocyte-endothelial interactions  
 in rat mesenteric venules  
  
 L1 ANSWER 49 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Gender-related differences in murine T- and B-lymphocyte proliferative  
 ability in response to in vivo [Met<sup>5</sup>]enkephalin administration  
  
 L1 ANSWER 50 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Human genes and gene products associated with neurotransmitter processing  
  
 L1 ANSWER 51 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Monitoring gene expression or protein levels in evaluating an organism's  
 response to drugs of abuse

L1 ANSWER 52 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Hypothalamic CART is a new anorectic peptide regulated by leptin

L1 ANSWER 53 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine effects on immunocompetent cells: an observation of in vitro cocaine exposure

L1 ANSWER 54 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Genetic toxicity of cocaine

L1 ANSWER 55 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Synthesis and Characterization of Fluorescent Ligands for the Norepinephrine Transporter: Potential Neuroblastoma Imaging Agents

L1 ANSWER 56 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Interactions of marijuana and THC with other drugs: What we don't, but should, know

L1 ANSWER 57 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Preparation of isoquinoline derivatives as anticonvulsants

L1 ANSWER 58 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Preparation of substituted isoquinolines as anticonvulsants

L1 ANSWER 59 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine enhances brain endothelial adhesion molecules and leukocyte migration

L1 ANSWER 60 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI The hypothalamic satiety peptide CART is expressed in anorectic and non-anorectic pancreatic islet tumors and in the normal islet of Langerhans

L1 ANSWER 61 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine opens the blood-brain barrier to HIV-1 invasion

L1 ANSWER 62 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Pyridazine and phthalazine derivatives, their preparation and use as anticonvulsants

L1 ANSWER 63 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine enhances monocyte migration across the blood-brain barrier: cocaine's connection to AIDS dementia and vasculitis?

L1 ANSWER 64 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Histopathologic and molecular alterations in bronchial epithelium in habitual smokers of marijuana, cocaine, and/or tobacco

L1 ANSWER 65 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Frequencies of hprt mutant lymphocytes in marijuana-smoking mothers and their newborns

L1 ANSWER 66 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI In vivo effects of cocaine on immune cell function

L1 ANSWER 67 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine inhibits production of murine hepatitis virus by peritoneal macrophages in vitro

L1 ANSWER 68 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Dantrolene sodium reduces the enhanced leakage of creatine kinase caused by ethanol, cocaine, and electrical stimulation in isolated fast and slow muscles of rat

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TI Divergent effects of cocaine on cytokine production by lymphocytes and monocyte/macrophages: HIV-1 enhancement by cocaine within the blood-brain barrier

L1 ANSWER 70 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Association of cocaine and methamphetamine use with giant gastroduodenal ulcers

L1 ANSWER 71 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Stimulatory effects of cocaine on the development of Walker-256 carcinoma lung metastases in rats

L1 ANSWER 72 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Effect of ethanol and cocaine treatment on the immune system of v-Ha-ras-transgenic mice

L1 ANSWER 73 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Cocaine down-regulates IL-2-induced peripheral blood lymphocyte IL-8 and IFN- $\gamma$  production

L1 ANSWER 74 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI New cocaine-selective membrane electrode

L1 ANSWER 75 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI The cognitive and psychomotor effects of opioid drugs in cancer pain management

L1 ANSWER 76 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Effects of smoking marijuana, tobacco or cocaine alone or in combination on DNA damage in human alveolar macrophages

L1 ANSWER 77 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Cocaine: a review of its toxic actions on cardiac function

L1 ANSWER 78 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Effects of cocaine on the development of Moloney sarcoma virus-induced tumors in mice

L1 ANSWER 79 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI human T-lymphocyte subpopulation and NK cell alterations in persons exposed to cocaine

L1 ANSWER 80 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Ethanol feeding significantly potentiates cocaine-induced Kupffer cell dysfunction

L1 ANSWER 81 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI The effect of adrenergic receptor antagonists on cocaine-induced ventricular fibrillation:  $\alpha$ - but not  $\beta$ -adrenergic receptor antagonists prevent malignant arrhythmias independently of heart rate

L1 ANSWER 82 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Immunomodulating activities of cocaine-evaluation of lymphocyte transformation related to other immune functions

L1 ANSWER 83 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI In vivo and in vitro cocaine modulation on production of cytokines in C57BL/6 mice

L1 ANSWER 84 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

TI Effects of cocaine on cardiac vagal tone before and during coronary artery occlusion: cocaine exacerbates the autonomic response to myocardial ischemia



L1 ANSWER 85 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Ethanol enhances immunosuppression induced by cocaine

L1 ANSWER 86 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Macrophage functions in drugs of abuse-treated mice

L1 ANSWER 87 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Effect of calcium channel antagonists on cocaine-induced malignant arrhythmias: Protection against ventricular fibrillation

L1 ANSWER 88 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Immunotoxicology of drug and alcohol use: Relevance to AIDS and cancer

L1 ANSWER 89 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine modulation in vitro of tumor necrosis factor production by macrophages from retrovirally infected mice

L1 ANSWER 90 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Ethanol enhances immunosuppression induced by cocaine

L1 ANSWER 91 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Modification of spleen cell subsets by chronic cocaine administration and murine retrovirus infection in normal and protein-malnourished mice

L1 ANSWER 92 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine amplifies HIV-1 replication in cytomegalovirus-stimulated peripheral blood mononuclear cell cocultures

L1 ANSWER 93 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Effect of cocaine on the development of MTV-induced mammary tumors in female mice

L1 ANSWER 94 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Modulation of tumor necrosis factor and gamma interferon production by cocaine and morphine in aging mice infected with LP-BM5, a murine retrovirus

L1 ANSWER 95 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI The carcinogenic potential of cocaine

L1 ANSWER 96 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Effects of cocaine on the immune system of Balb/C mice

L1 ANSWER 97 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Noradrenaline release in the human pulmonary artery is modulated by presynaptic  $\alpha$ 2-adrenoceptors

L1 ANSWER 98 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Involvement of cAMP in modulation of noradrenaline release in the human pulmonary artery

L1 ANSWER 99 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Effect of cocaine on pancreatic and biliary secretions in the rat

L1 ANSWER 100 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Potentiation of guanosine 3':5'-monophosphate accumulation in C-6 glial tumor cells

L1 ANSWER 101 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Cocaine-elicited behavior and toxicity in dogs pretreated with synaptic blocking agents, morphine, or diphenylhydantoin

L1 ANSWER 102 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI The effects of drugs on the uptake of amines by mast cells

L1 ANSWER 103 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI The heat-coagulation reaction of serums with cocaine hydrochloride used as a reagent

L1 ANSWER 104 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Activity of some liver-specific triphosphopyridine nucleotide-requiring enzyme systems in the microsome fraction from an experimental rat hepatoma

L1 ANSWER 105 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Chemical screening methods for the diagnosis of pheochromocytoma. I. Noradrenaline and adrenaline in human urine

L1 ANSWER 106 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI The lipase content of the placenta

L1 ANSWER 107 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI The treatment of epulis by arsenious oxide

L1 ANSWER 108 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Capillary Analysis

=> DIS L1 1 IALL

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 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 1 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2006:244523 CAPLUS  
 ENTRY DATE: Entered STN: 17 Mar 2006  
 TITLE: Palladium mediated ring opening of tetrahydrofuran (THF) by amines  
 AUTHOR(S): Thomas, Stacey; Russell, Henry F.; Bushelle-Edghill, Jennifer; Lewis, Melissa R.  
 CORPORATE SOURCE: Science & Mathematics, Johnson C. Smith University, Charlotte, NC, 28216, USA  
 SOURCE: Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006 (2006), CHED-452. American Chemical Society: Washington, D. C.  
 CODEN: 69HYEC  
 DOCUMENT TYPE: Conference; Meeting Abstract; (computer optical disk)  
 LANGUAGE: English  
 ABSTRACT:  
 The isolation of an N-substituted 4-amino-1-butanol as a byproduct of the palladium catalyzed hydrogenation of N-(2-nitrobenzyl)benzimidazole prompted further investigation into the general applicability of this reaction. Derivs. of 4-amino-1-butanols are T-type calcium channel antagonists which exhibit anti-proliferative activity against a variety of **cancer** cells. Tests have also shown that the p-aminobenzoate of 4 diethylamino-1-butanol is a more effective anesthetic than **cocaine**. A standard suspension of amine/THF solution containing Pd/C catalyst is exposed to hydrogen at atmospheric pressure and the reaction monitored by thin layer chromatog. (TLC). The products are characterized by NMR and elemental anal. Preparation of the aminobutanols has shown varying reaction times and results show that only primary aromatic amines react. A radical based mechanism is indicated since it appears that THF hydroperoxide is necessary for reaction. Future work with other amines is anticipated to more definitively characterize the reaction.

=> DIS L1 1 IALL

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L1 ANSWER 1 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:244523 CAPLUS  
ENTRY DATE: Entered STN: 17 Mar 2006  
TITLE: Palladium mediated ring opening of tetrahydrofuran  
(THF) by amines  
AUTHOR(S): Thomas, Stacey; Russell, Henry F.; Bushelle-Edghill,  
Jennifer; Lewis, Melissa R.  
CORPORATE SOURCE: Science & Mathematics, Johnson C. Smith University,  
Charlotte, NC, 28216, USA  
SOURCE: Abstracts of Papers, 231st ACS National Meeting,  
Atlanta, GA, United States, March 26-30, 2006 (2006),  
CHED-452. American Chemical Society: Washington, D.  
C.  
CODEN: 69HYEC  
DOCUMENT TYPE: Conference; Meeting Abstract; (computer optical disk)  
LANGUAGE: English

ABSTRACT:

The isolation of an N-substituted 4-amino-1-butanol as a byproduct of the palladium catalyzed hydrogenation of N-(2-nitrobenzyl)benzimidazole prompted further investigation into the general applicability of this reaction. Derivs. of 4-amino-1-butanols are T-type calcium channel antagonists which exhibit anti-proliferative activity against a variety of **cancer** cells. Tests have also shown that the p-aminobenzoate of 4 diethylamino-1-butanol is a more effective anesthetic than **cocaine**. A standard suspension of amine/THF solution containing Pd/C catalyst is exposed to hydrogen at atmospheric pressure and the reaction monitored by thin layer chromatog. (TLC). The products are characterized by NMR and elemental anal. Preparation of the aminobutanols has shown varying reaction times and results show that only primary aromatic amines react. A radical based mechanism is indicated since it appears that THF hydroperoxide is necessary for reaction. Future work with other amines is anticipated to more definitively characterize the reaction.

=> DIS L1 1 IALL

THE ESTIMATED COST FOR THIS REQUEST IS 3.07 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 1 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:244523 CAPLUS  
ENTRY DATE: Entered STN: 17 Mar 2006  
TITLE: Palladium mediated ring opening of tetrahydrofuran  
(THF) by amines  
AUTHOR(S): Thomas, Stacey; Russell, Henry F.; Bushelle-Edghill,  
Jennifer; Lewis, Melissa R.  
CORPORATE SOURCE: Science & Mathematics, Johnson C. Smith University,  
Charlotte, NC, 28216, USA  
SOURCE: Abstracts of Papers, 231st ACS National Meeting,  
Atlanta, GA, United States, March 26-30, 2006 (2006),  
CHED-452. American Chemical Society: Washington, D.  
C.  
CODEN: 69HYEC  
DOCUMENT TYPE: Conference; Meeting Abstract; (computer optical disk)  
LANGUAGE: English

ABSTRACT:

The isolation of an N-substituted 4-amino-1-butanol as a byproduct of the palladium catalyzed hydrogenation of N-(2-nitrobenzyl)benzimidazole prompted further investigation into the general applicability of this reaction. Derivs. of 4-amino-1-butanols are T-type calcium channel antagonists which exhibit anti-proliferative activity against a variety of **cancer** cells. Tests have also shown that the p-aminobenzoate of 4 diethylamino-1-butanol is a more effective anesthetic than **cocaine**. A standard suspension of amine/THF solution containing Pd/C catalyst is exposed to hydrogen at atmospheric pressure and the

reaction monitored by thin layer chromatog. (TLC). The products are characterized by NMR and elemental anal. Preparation of the aminobutanols has shown varying reaction times and results show that only primary aromatic amines react. A radical based mechanism is indicated since it appears that THF hydroperoxide is necessary for reaction. Future work with other amines is anticipated to more definitively characterize the reaction.

```
=> s l1
      278277 CANCER
      370289 TUMOR
      78473  MALIGNAN?
      19908  COCAINE
L2      108 (CANCER OR TUMOR OR MALIGNAN?) (L) COCAINE
```

```
=> d 94 full
'FULL' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'
```

The following are valid formats:

```
ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
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FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
          SCAN must be entered on the same line as the DISPLAY,
          e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, CLASS

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
          containing hit terms
HITRN ----- HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and
          its structure diagram
HITSEQ ----- HIT RN, its text modification, its CA index name, its
          structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
          its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
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structure diagram, plus NTE and SEQ fields  
KWIC ----- Hit term plus 20 words on either side  
OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):

ENTER DISPLAY FORMAT (BIB):end

=> s l1

278277 CANCER

370289 TUMOR

78473 MALIGNAN?

19908 COCAINE

L3 108 (CANCER OR TUMOR OR MALIGNAN?) (L) COCAINE

=> d 94 iall

L3 ANSWER 94 OF 108 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1991:653126 CAPLUS

DOCUMENT NUMBER: 115:253126

ENTRY DATE: Entered STN: 14 Dec 1991

TITLE: Modulation of **tumor** necrosis factor and gamma interferon production by **cocaine** and morphine in aging mice infected with LP-BM5, a murine retrovirus

AUTHOR(S): Chen, Guan Jie; Watson, Ronald Ross

CORPORATE SOURCE: Dep. Fam. Community Med., Univ. Arizona, Tucson, AZ, 85724, USA

SOURCE: Journal of Leukocyte Biology (1991), 50(4), 349-55

CODEN: JLBIE7; ISSN: 0741-5400

DOCUMENT TYPE: Journal

LANGUAGE: English

CLASSIFICATION: 14-3 (Mammalian Pathological Biochemistry)

Section cross-reference(s): 4

ABSTRACT:

The actions of retroviral infections, aging, and **cocaine** and morphine injection on cytokine production were investigated in C57BL/6 female mice. Retroviral infection with LP-BM5 murine leukemia virus was further developed as a model of murine acquired immunodeficiency syndrome (AIDS). The effects of \*\*\*cocaine\*\*\* and morphine on gamma-interferon (IFN) and **tumor** necrosis factor (TNF) production in vivo and with isolated spleen cells were measured by a sandwich ELISA method. Serum IFN was generally not detected in any group except mice injected with saline and young mice infected with LP-BM5 virus. Splenocytes from mice with murine AIDS produced less IFN when stimulated in vitro by ConA. In aged mice, IFN production by spleen cells was severely suppressed by retroviral infection. **Cocaine** had a tendency to suppress IFN production by stimulated cells in vitro. Morphine tended to reduce IFN production by spleen cells from retrovirally infected animals. The serum TNF level in mice with murine AIDS was elevated creating higher levels in morphine and morphine plus **cocaine** treated uninfected mice while \*\*\*cocaine\*\*\* injection eliminated serum TNF. When stimulated in vitro by lipopolysaccharides (LPS), splenocytes from mice with murine AIDS also produced more TNF than uninfected controls. TNF production in vitro and in vivo was significantly increased by retroviral infection. Therefore, results indicate that **cocaine** and retroviral infection modulate TNF and IFN production

SUPPL. TERM: AIDS cytokine aging cocaine morphine retrovirus  
INDEX TERM: Immunodeficiency  
(acquired immune deficiency syndrome, murine, aging and  
cocaine and morphine and retroviral infection effect on  
cytokine formation in)  
INDEX TERM: Senescence  
(elderly, cytokine formation response to cocaine and  
morphine and, in murine AIDS model)  
INDEX TERM: Pharmaceuticals  
(of abuse, cytokine formation response to aging and, in  
murine AIDS model)  
INDEX TERM: Virus, animal  
(retro-, infection with, cytokine formation response to  
aging and cocaine and morphine and, in murine AIDS model)  
INDEX TERM: Lymphokines and Cytokines  
ROLE: FORM (Formation, nonpreparative)  
(tumor necrosis factor, formation of, aging and  
cocaine and morphine effect on, in murine AIDS  
model)  
INDEX TERM: Interferons  
ROLE: FORM (Formation, nonpreparative)  
( $\gamma$ , formation of, aging and cocaine and morphine  
effect on, in murine AIDS model)  
INDEX TERM: 50-36-2, Cocaine 57-27-2, biological studies  
ROLE: BIOL (Biological study)  
(cytokine formation response to aging and, in murine AIDS  
model)

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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